IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A cooling fin structure connected to a substrate with a welding flux, the cooling fin structure comprising:

at least one thermally conductive sheet, each of the thermally conductive sheets being bent to form a heat radiation part and a welding part, the welding part being formed with a vacant region~~,~~;~~and~~

wherein the welding flux is disposed between the substrate and the welding part, and the vacant region exposes the squeezed welding flux underneath~~the thermally conductive sheet being welded to a substrate through the welding part~~.

Claim 2 (Original): The cooling fin structure of claim 1, wherein the vacant region is defined by notches formed on an edge of the welding part.

Claim 3 (Original): The cooling fin structure of claim 1, wherein the welding part has a serrate edge.

Claims 4-6 (Withdrawn)

Claim 7 (Original): The cooling fin structure of claim 1, wherein the material of the thermally conductive sheet is selected from the group consisting of aluminum, copper, aluminum alloy, copper alloy, and their compounds.

Claim 8 (Original): The cooling fin structure of claim 1, wherein the material of the substrate is selected from the group consisting of aluminum, copper, aluminum alloy, copper alloy, and their compounds.

Claim 9 (Original): The cooling fin structure of claim 1, wherein the thermally conductive sheet is bent through sheet metal work.

Claim 10 (Original): The cooling fin structure of claim 1, wherein the thermally conductive sheet is bent to form an L-shape cross-section.

Claim 11 (currently amended): A fin assembly, comprising:

a substrate; and

a plurality of cooling fins, each of which ~~is~~ being bent towards one direction to form a heat radiation part and a welding part, the welding part being welded on a surface of the substrate to connect the cooling fins to the substrate;

wherein the welding part is formed with a vacant region such that part area of the surface of the substrate between adjacent two of the cooling fins is not covered by the cooling fins.

Claim 12 (currently amended): The ~~cooling~~ fin assembly~~structure~~ of claim 11, wherein the cooling fin is bent through sheet metal work.

Claim 13 (currently amended): The ~~cooling~~ fin assembly~~structure~~ of claim 11, wherein the cooling fin is bent to form an L-shape cross-section.

Claim 14 (currently amended): The ~~cooling~~ fin assembly~~structure~~ of claim 11, wherein the vacant region is defined by notches formed on an edge of the welding part.

Claims 15-17 (Withdrawn)

Claim 18 (currently amended): The ~~cooling~~ fin assembly~~structure~~ of claim 11, wherein the thermally conductive material is selected from the group consisting of aluminum, copper, aluminum alloy, copper alloy, and their compounds.

Claim 19 (currently amended): The ~~cooling~~ fin assembly~~structure~~ of claim 11, wherein the material of the cooling fin is selected from the group consisting of aluminum, copper, aluminum alloy, copper alloy, and their compounds.